



## **Additional Rod Bolt Torque on 2000-2016 GM 4.3L VIN X Engines**

The AERA Technical Committee offers the following information regarding additional connecting rod bolt torque for 2000-2016 GM 4.3L VIN X engines. At a point in time during production in 2000 GM altered the connecting rod bolt for these engines. While the change first appeared in industrial engines, eventually all applications received this change.

Previously, two bolts and nuts were used to clamp and secure the rod cap to the rod. Currently, only two individual bolts are used to secure the rod cap to the rod. The amount of torque required for the different fasteners is somewhat different and it is advised to follow the values listed below.

Although the bolt tightening method uses the now familiar torque-turn, the bolts do not require replacement unless damaged according to GM.

Both fasteners should be tightened in a two-step process, with both steps being slightly different. The bolts/nuts should be rotated using torque Angle Meter (J45059) in the second step.

<b>Application</b>	<b>1st Step</b>	<b>2nd Step</b>
Bolt & Nut	20 FT/LBS	Rotate Each Nut an Additional 85°
Bolt	15 FT/LBS	Rotate Each Bolt an Additional 100°